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☐ 1: Gut 1988 Jan;29(1):41-3

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Hydrophobic adhesin of E coli in ulcerative colitis.

Burke DA, Axon AT.

Gastroenterology Unit, General Infirmary, Leeds.

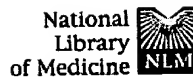
Pathogenic E coli have adhesive properties which are mirrored by an increase in their surface hydrophobicity. E coli isolated from patients with ulcerative colitis possess a mannose resistant adhesin similar to that found in pathogenic E coli. In this study 42 E coli isolates from patients with colitis have been compared with 15 from controls to assess hydrophobicity and cellular adherence. The salting out method and the buccal epithelial cell technique were used respectively. E coli isolated from colitics are significantly more hydrophobic than control E coli (p less than 0.001). The salting out score correlates negatively with the buccal epithelial cell adhesion index. When E coli are grown at 18 degrees C both properties are temporarily reduced suggesting that they are related to each other. The salting out method clearly differentiates between E coli isolated from colitics and controls, and offers a simple method of detecting adhesive E coli in inflammatory bowel disease.

PMID: 2893760 [PubMed - indexed for MEDLINE]

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☐ 1: FEMS Immunol Med Microbiol 1999 Nov;26(2):137-42

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ELSEVIER SCIENCE
 FULL-TEXT ARTICLE

The effect of probiotic bacteria on the adhesion of pathogens to human intestinal mucus.

Tuomola EM, Ouwehand AC, Salminen SJ.

Department of Biochemistry and Food Chemistry, University of Turku, FIN-20014, Turku, Finland. elina.tuomola@utu.fi

Human intestinal glycoproteins extracted from faeces were used as a model for intestinal mucus to investigate adhesion of pathogenic Escherichia coli and Salmonella strains, and the effect of probiotics on this adhesion. S-fimbriated E. coli expressed relatively high adhesion in the mucus model, but the other tested pathogens adhered less effectively. Probiotic strains Lactobacillus GG and L. rhamnosus LC-705 as well as a L. rhamnosus isolated from human faeces were able to slightly reduce S-fimbria-mediated adhesion. Adhesion of S. typhimurium was significantly inhibited by probiotic L. johnsonii LJ1 and L. casei Shirota. Lactobacillus GG and L. rhamnosus (human isolate) increased the adhesion of S. typhimurium suggesting that the pathogen interacts with the probiotic.

MeSH Terms:

- Bacterial Adhesion*
- Escherichia coli/physiology
- Feces/chemistry
- Glycoproteins/chemistry
- Human
- Intestinal Mucosa/microbiology*
- Intestinal Mucosa/chemistry
- Lactobacillus*
- Mucus/physiology*
- Mucus/chemistry
- Probiotics/pharmacology*
- Salmonella enteritidis/physiology
- Salmonella typhimurium/physiology
- Support, Non-U.S. Gov't

Substances:

- Probiotics
- Glycoproteins

PMID: 10536300 [PubMed - indexed for MEDLINE]



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Enzyme-linked immunosorbent-based adhesion assays.

Methods Enzymol. 1995;253:528-36. No abstract available.

PMID: 7476415 [PubMed - indexed for MEDLINE]

☐ [2:Suyama N.](#)

[Related Articles, Links](#)

[Study of the attachment of Mycoplasma pneumoniae using enzyme-linked immunosorbent assay]

Kansenshogaku Zasshi. 1988 Apr;62(4):363-75. Japanese. No abstract available.

PMID: 3135359 [PubMed - indexed for MEDLINE]

☐ [3:Nilsson B.](#)

[Related Articles, Links](#)

Enzyme-linked immunosorbent assays.

Curr Opin Immunol. 1989-90;2(6):898-904. Review. No abstract available.

PMID: 2486571 [PubMed - indexed for MEDLINE]

☐ [4:Butler JE.](#)

[Related Articles, Links](#)

Enzyme-linked immunosorbent assay.

J Immunoassay. 2000 May-Aug;21(2-3):165-209. Review. No abstract available.

PMID: 10929886 [PubMed - indexed for MEDLINE]

☐ [5:Geller J, Heinert HH, Kuhne H.](#)

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[Problems in the evaluation of enzyme-linked immunosorbent assay, due to background staining]

Berl Munch Tierarztl Wochenschr. 1981 Jan 15;94(2):36-7. German. No abstract available.

PMID: 7011314 [PubMed - indexed for MEDLINE]

☐ [6:Reen DJ.](#)

[Related Articles, Links](#)

Enzyme-linked immunosorbent assay (ELISA).

Methods Mol Biol. 1994;32:461-6. Review. No abstract available.

PMID: 7951745 [PubMed - indexed for MEDLINE]

☐ [7:Alberti S, Hernandez-Alles S, Gil J, Reina J, Martinez-Beltran J, Camprubi S, Tomas JM, Benedi VJ.](#)

[Related Articles, Links](#)

Development of an enzyme-linked immunosorbent assay method for typing and quantitation of Klebsiella pneumoniae lipopolysaccharide: application to serotype O1.

J Clin Microbiol. 1993 May;31(5):1379-81.

PMID: 8501248 [PubMed - indexed for MEDLINE]

☐ [8:Shiuan D, Wu CH, Chang YS, Chang RJ.](#)

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Competitive enzyme-linked immunosorbent assay for biotin.

Methods Enzymol. 1997;279:321-6. Review. No abstract available.

PMID: 9211284 [PubMed - indexed for MEDLINE]

☐ **9:**[Davis GL.](#)[Related Articles, Links](#)

Technical aspects of enzyme immunosorbent assays.
Clin Lab Sci. 1991 Nov-Dec;4(6):338-9. No abstract available.
PMID: 10149415 [PubMed - indexed for MEDLINE]

☐ **10:**[Robison BJ.](#)[Related Articles, Links](#)

Use of commercially available ELISA kits for detection of foodborne pathogens.
Methods Mol Biol. 1995;46:123-32. No abstract available.
PMID: 7550702 [PubMed - indexed for MEDLINE]

☐ **11:**[Masse J.](#)[Related Articles, Links](#)

Assessing reproducibility of enzyme-linked immunosorbent assay serologic tests.
J Clin Epidemiol. 1996 Sep;49(9):1075-7. No abstract available.
PMID: 8780619 [PubMed - indexed for MEDLINE]

☐ **12:**[Sibley DE, Lubrano GJ, Guilbault GG.](#)[Related Articles, Links](#)

Enhancement effect of storage buffer on regeneration of immunosorbent surfaces.
Biotechniques. 1994 Jan;16(1):72-3. No abstract available.
PMID: 8136145 [PubMed - indexed for MEDLINE]

☐ **13:**[May ME, Vermeulen CW.](#)[Related Articles, Links](#)

Enhanced enzyme-linked immunosorbent assay on membranes for the identification of mutants and pathogens.
Life Sci. 1991;49(12):865-8.
PMID: 1875795 [PubMed - indexed for MEDLINE]

☐ **14:**[Brent JA.](#)[Related Articles, Links](#)

ELISA on attachment-dependent or suspension grown cells.
Methods Mol Biol. 1999;115:235-9. Review. No abstract available.
PMID: 10098185 [PubMed - indexed for MEDLINE]

☐ **15:**[Cowan MM.](#)[Related Articles, Links](#)

Kinetic analysis of microbial adhesion.
Methods Enzymol. 1995;253:179-89. No abstract available.
PMID: 7476386 [PubMed - indexed for MEDLINE]

☐ **16:**[Sokurenko EV, McMackin VA, Hasty DL.](#)[Related Articles, Links](#)

Bacterial adhesion measured by growth of adherent organisms.
Methods Enzymol. 1995;253:519-28. No abstract available.
PMID: 7476414 [PubMed - indexed for MEDLINE]

☐ **17:**[Withey LM, Morris BA, Teale D, Hampton SM.](#)[Related Articles, Links](#)

The development and use of a sulphonylurea enzyme linked immunosorbent assay.
Biochem Soc Trans. 1994 May;22(2):141S. No abstract available.
PMID: 7958212 [PubMed - indexed for MEDLINE]

☐ **18:**[Smith T, Smith SF, Buckingham JC.](#)[Related Articles, Links](#)

A competitive enzyme-linked immunosorbent assay for the estimation of rat lipocortin 1.
Biochem Soc Trans. 1990 Dec;18(6):1230-1. No abstract available.
PMID: 2150948 [PubMed - indexed for MEDLINE]

☐ **19:**[Burkovski A.](#)[Related Articles, Links](#)

Rapid detection of bacterial surface proteins using an enzyme-linked immunosorbent assay system.

J Biochem Biophys Methods. 1997 Feb 1;34(1):69-71.
PMID: 9089385 [PubMed - indexed for MEDLINE]

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☐ 20: [Kekow J, Ulrichs K, Muller-Ruchholtz W, Gross WL.](#)

Pancreas transplantation: a study of insulin secretion in isolated islets of Langerhans and in sera using a new enzyme-linked immunosorbent assay. Transplant Proc. 1987 Oct;19(5):3921-2. No abstract available.
PMID: 3313963 [PubMed - indexed for MEDLINE]

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